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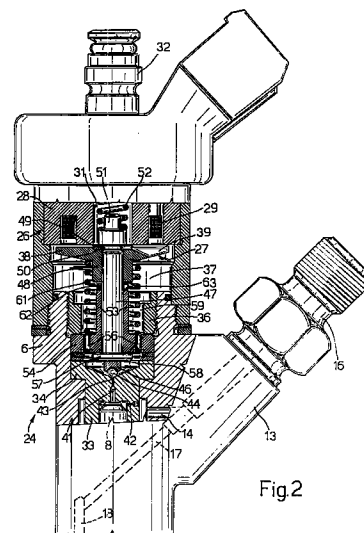
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(54) **Perfected electromagnetic metering valve for a fuel injector**

(57) The metering valve (24) has a shutter (44) for a discharge conduit (43), and an electromagnet (26) for controlling an armature (27) disconnected from the respective stem (47) and sliding along the stem (47) by means of a sleeve (48). The stem (47) is guided by a fixed sleeve (53) and is pushed by a first spring (52) to hold the shutter (44) in the closed position, and a second spring (61) keeps a shoulder (50) of the armature (27) resting axially against a C-shaped ring (49) fitted to the stem (47). To reduce the overtravel of the armature (27) with respect to the travel of the stem (47) to move the shutter (44) into the closed position, and to damp oscillation of the armature (27), provision is made, between the two sleeves (48, 53), for a bush (62) of calibrated thickness (S), which slides along the stem (47) and is such as to form a small axial clearance (P) with the sleeves (48, 53).



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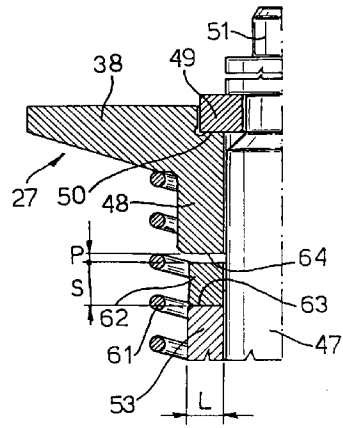


Fig.3



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EUROPEAN SEARCH REPORT

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Place of search	Date of completion of the search	Examiner	
THE HAGUE	22 February 1999	Hakhverdi, M	
CATEGORY OF CITED DOCUMENTS		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons ..... & : member of the same patent family, corresponding document	
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ANNEX TO THE EUROPEAN SEARCH REPORT  
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